Transfer Function 6000 feet 26 AWG telephone cable

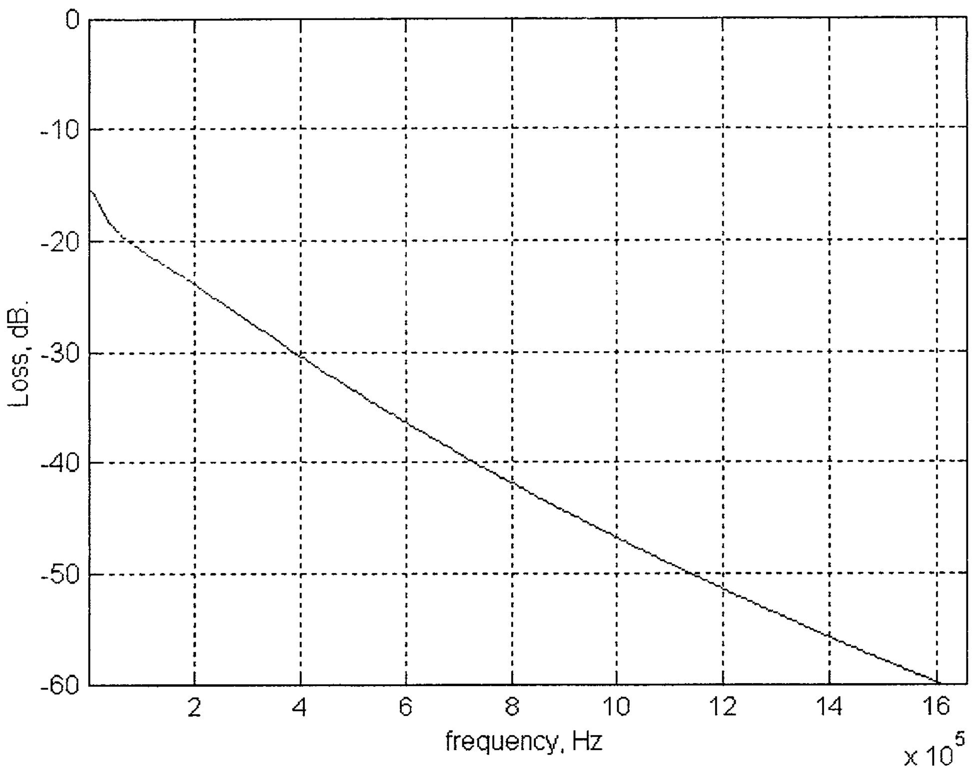

FIG. 1

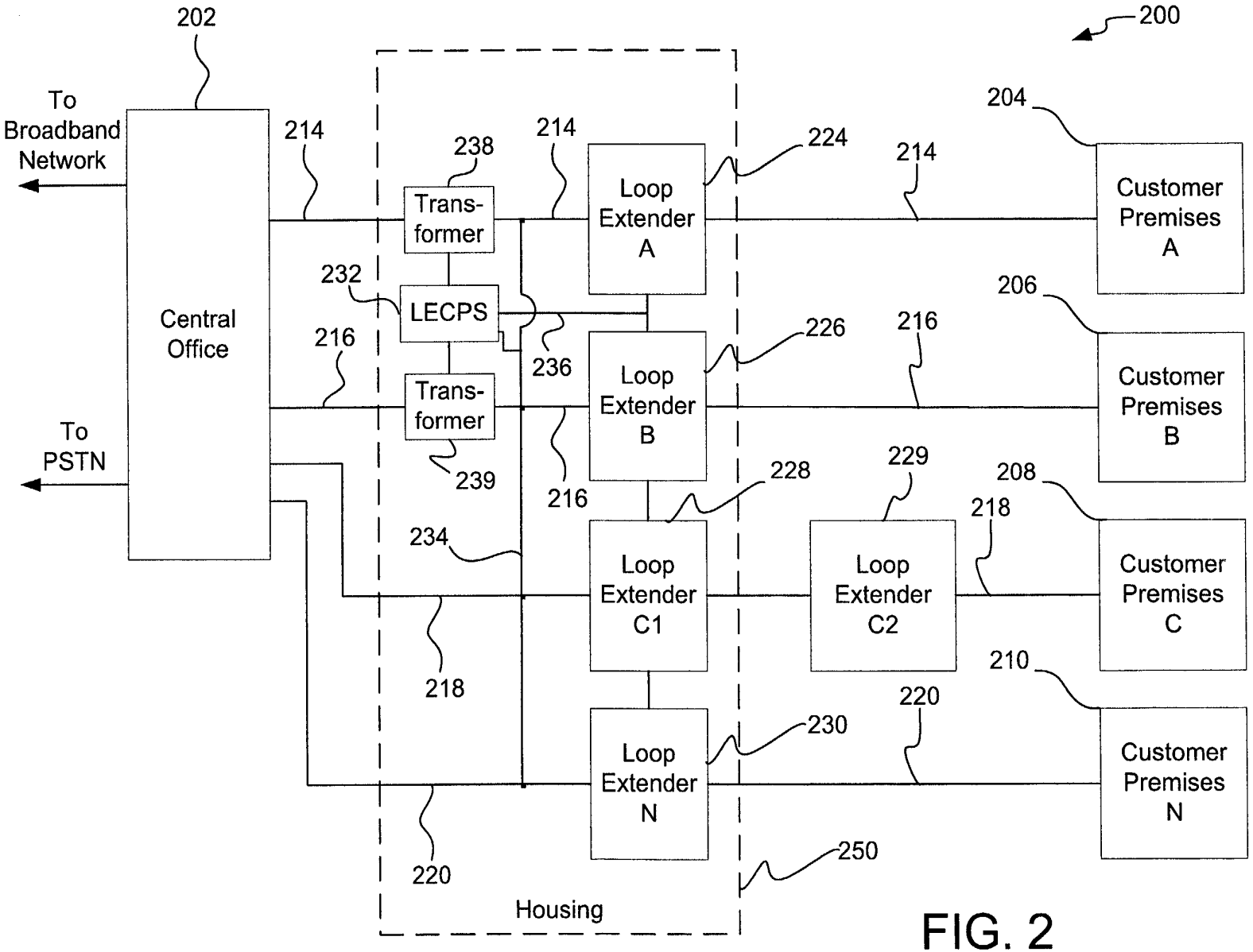
202
200
To Broadband Network
To PSTN
Central Office
214
238
Trans-former
Trans-former
239
232
LECPS
236
216
234
218
220
224
226
228
229
230
Loop Extender A
Loop Extender B
Loop Extender C1
Loop Extender C2
Loop Extender N
204
206
208
210
Customer Premises A
Customer Premises B
Customer Premises C
Customer Premises N
250
Housing

FIG. 2

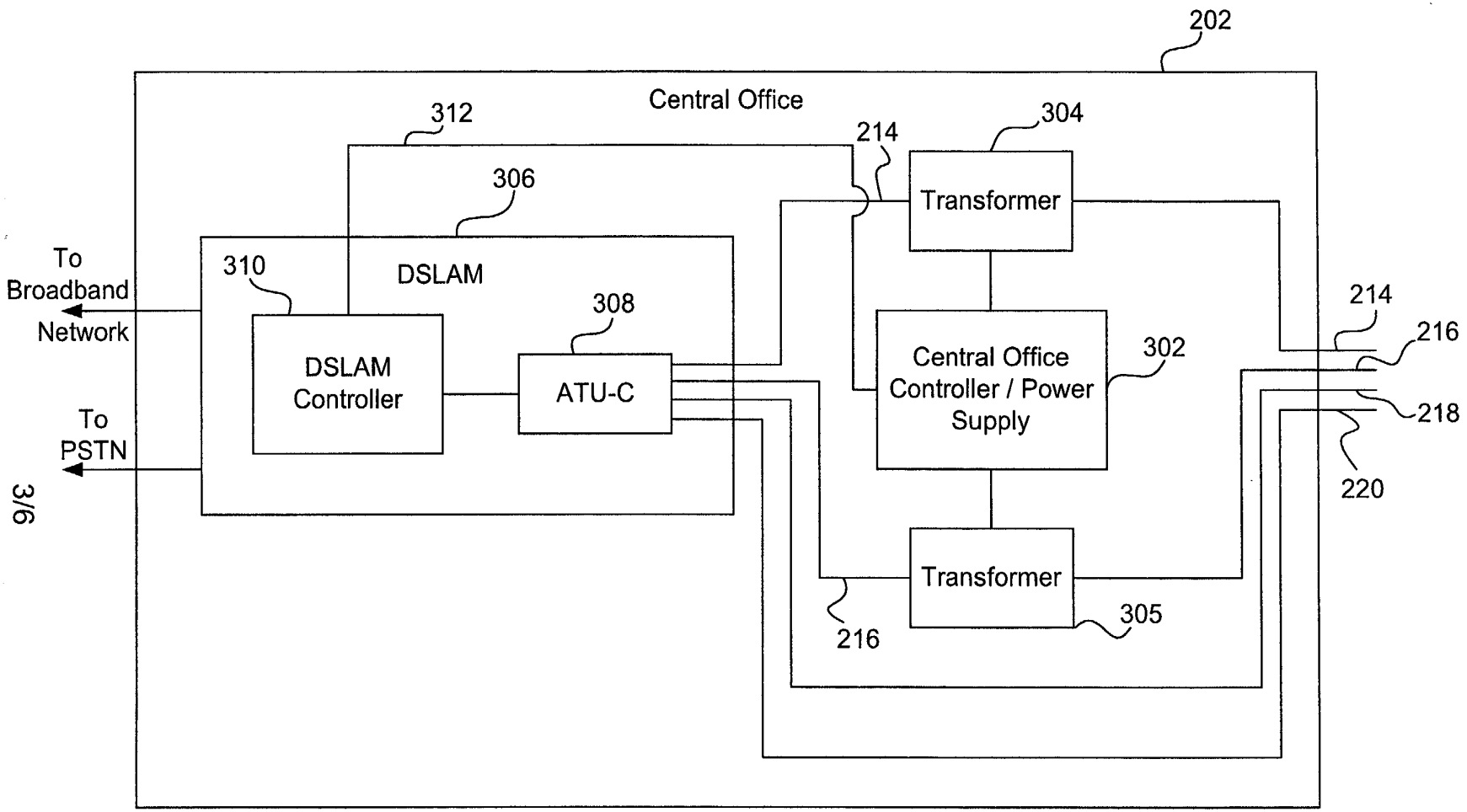
202
Central Office
312
214
304
306
Transformer
To
Broadband
Network
310
DSLAM
308
214
216
DSLAM
Controller
ATU-C
Central Office
Controller / Power
Supply
302
To
PSTN
218
220
Transformer
305
216

FIG. 3

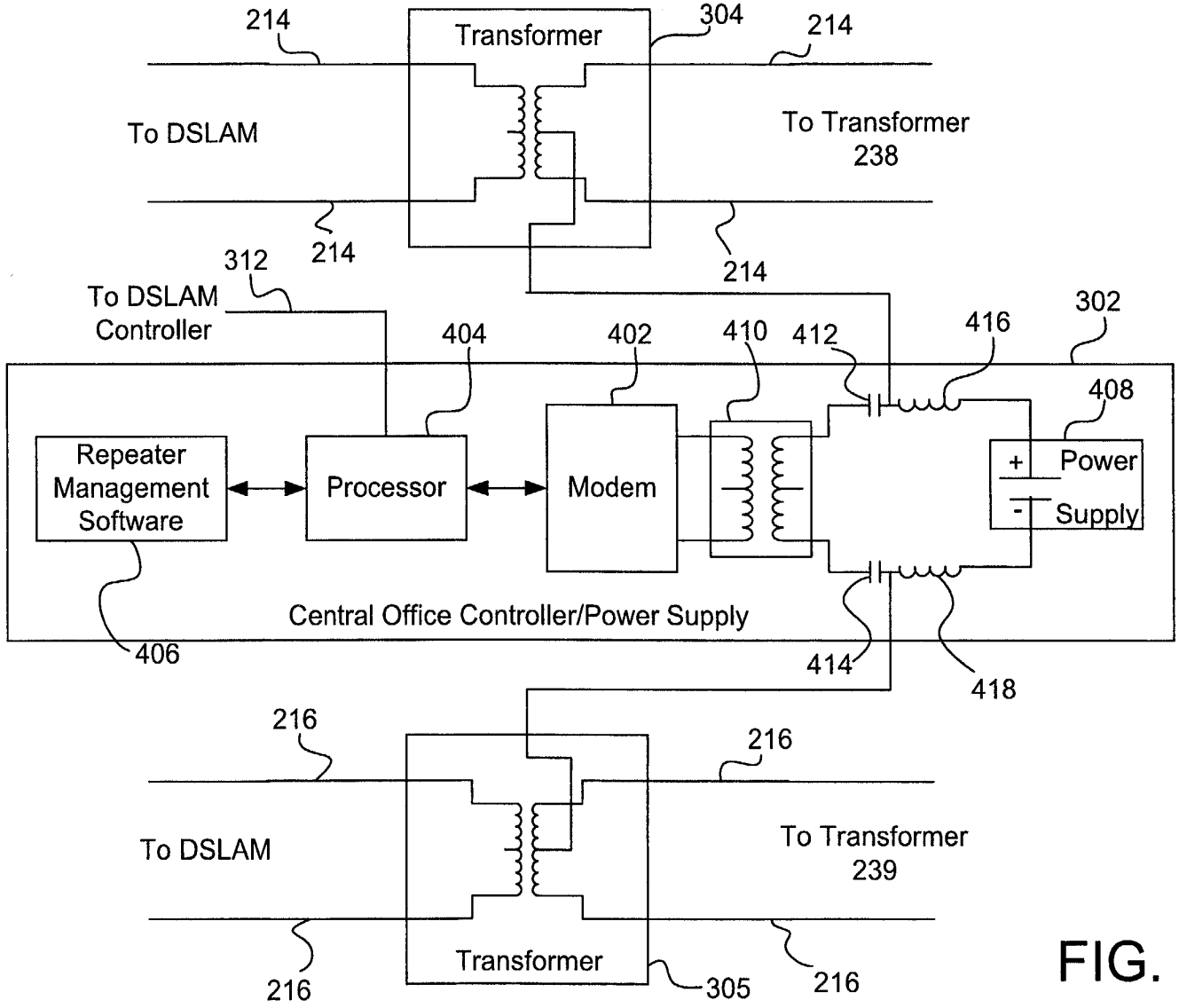
214
Transformer
304
214
To DSLAM
To Transformer
238
214
214
312
To DSLAM
Controller
404
402
410
412
416
302
408
Repeater
Management
Software
Processor
Modem
+
Power
-
Supply
Central Office Controller/Power Supply
406
414
418
216
216
To DSLAM
To Transformer
239
Transformer
305
216
216

FIG. 4

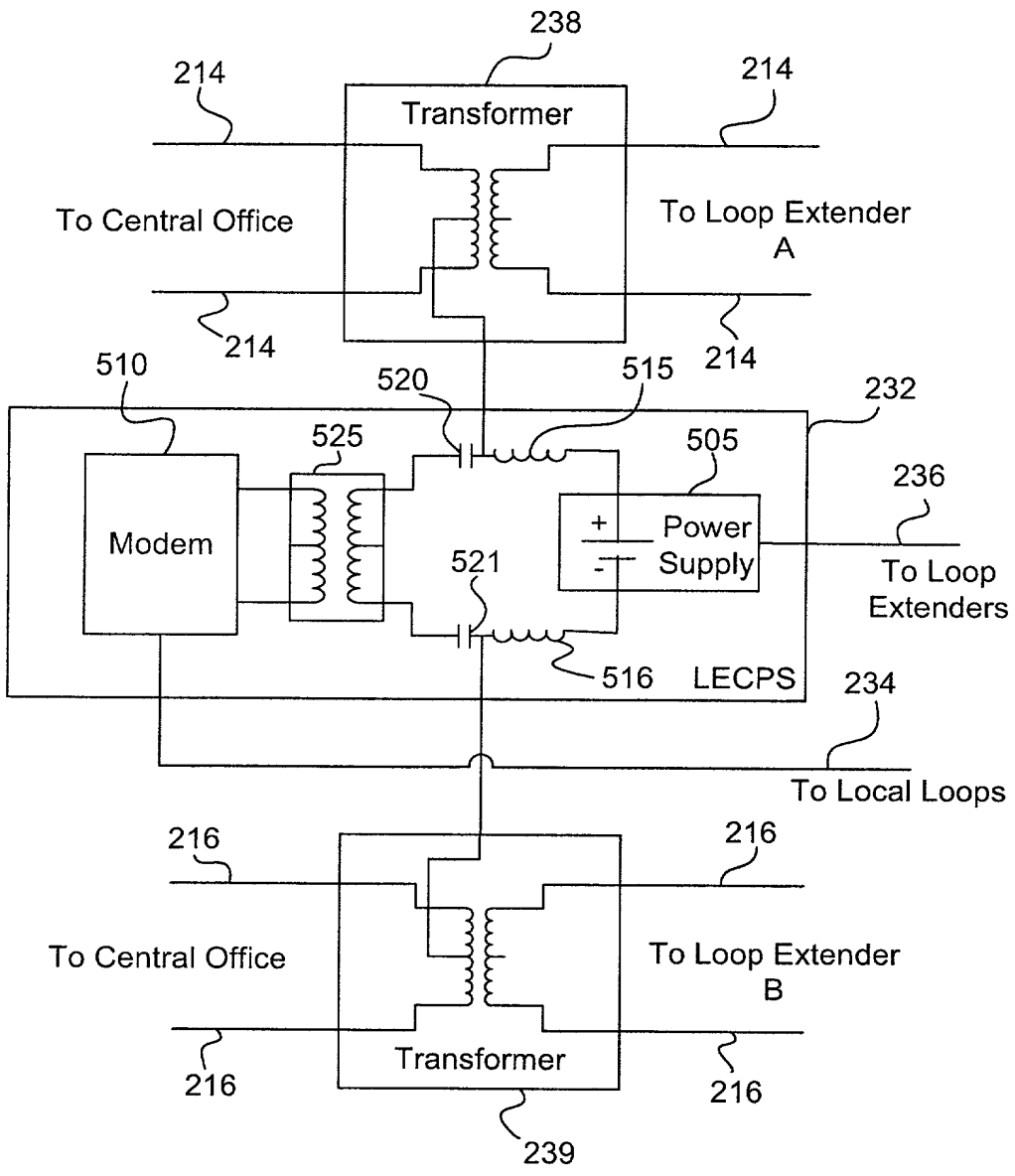
238
214
214
Transformer
To Central Office
To Loop Extender
A
214
214
510
520
515
232
525
505
236
Modem
+
Power
-
Supply
521
To Loop
Extenders
516
LECPS
234
To Local Loops
216
216
To Central Office
To Loop Extender
B
Transformer
216
216
239

FIG. 5

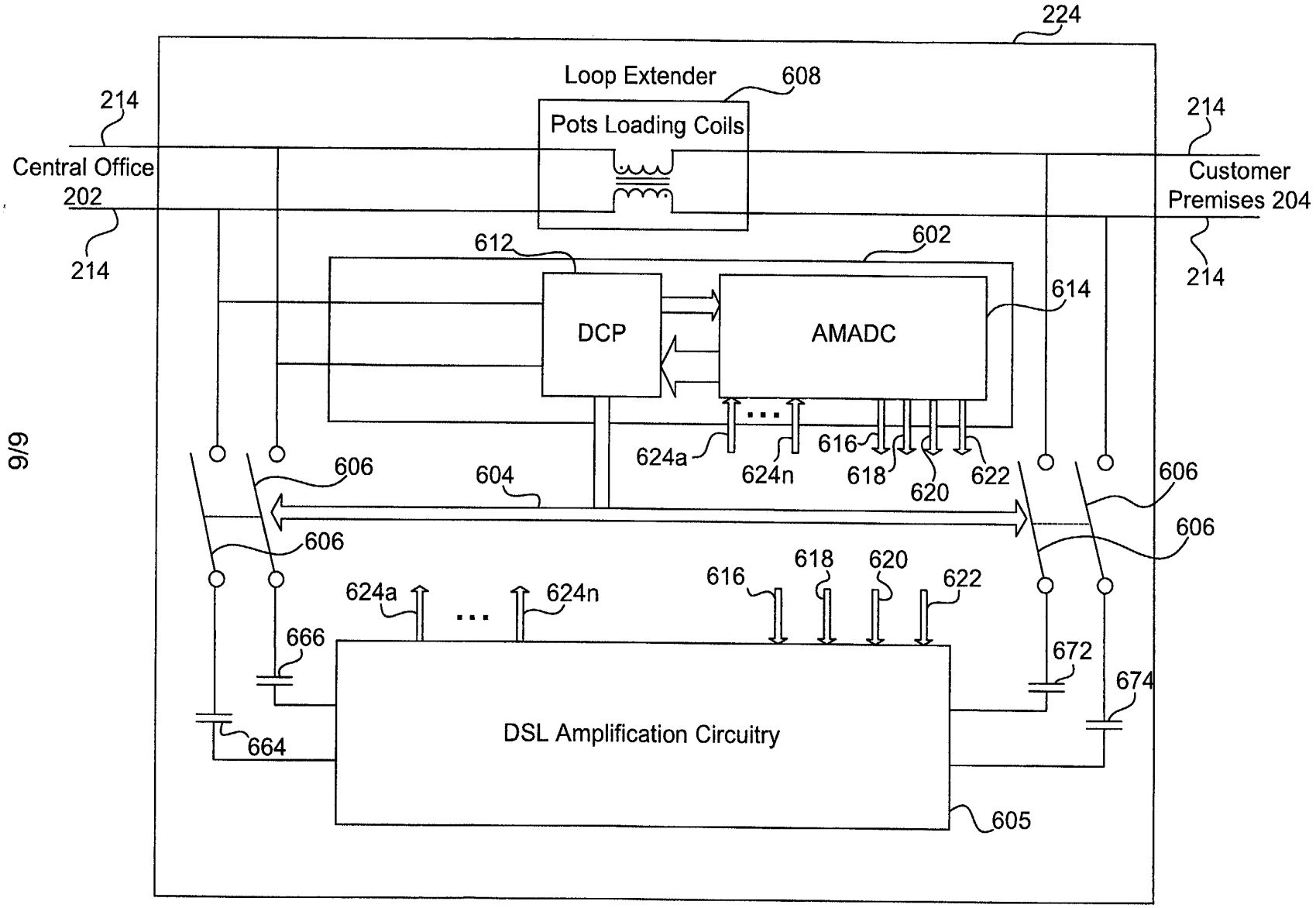
224
Loop Extender
608
Pots Loading Coils
214
Central Office
202
214
214
Customer
Premises 204
214
612
602
614
DCP
AMADC
624a
624n
616
618
620
622
606
604
606
606
606
624a
624n
616
618
620
622
666
672
674
664
DSL Amplification Circuitry
605

FIG. 6